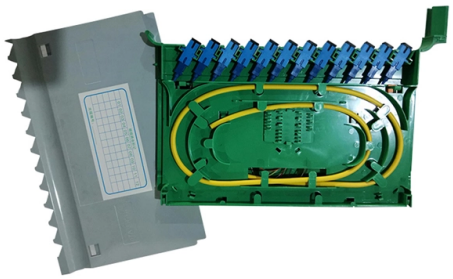
Cable tray CT and FT



Overview

GUIDE CABLE TRAYS TECHNICAL In accordance with its continuous impro-vement policy, Legrand reserves the right to change the specifications and illus-tratio.

Key Takeaways

CT trays are continuously perforated, low-profile trays ideal for light to medium cable loads, while FT (Ladder or Trough) trays are designed for heavier loads and better heat dissipation.

C

T Cable TraysCT (Continuous Trough) cable trays are made from a single piece of material with continuous perforations along the base. They are designed for economical installation, shallow cable depth, and low-profile applications while maintaining good load-bearing capacity. Key features include: Perforated design: Allows maximum airflow around cables and easy securing with cable ties.

Material: Typically steel or aluminum, providing strength and durability. Installation: Pre-made fittings and taper-folded edges allow quick assembly and smooth joining of tray sections. Applications: Suitable for commercial and industrial sites where cable loads are moderate and a low-profile system is preferred.

Width range: 75–600 mm, accommodating various cable bundles.

F

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T Cable TraysFT trays generally refer to Ladder or Trough (perforated) trays used for heavier cable loads and long support spans. They are designed to provide mechanical support, strain relief, and heat dissipation for large power or data cable runs. Key characteristics include: Ladder trays: Open rung design allows air circulation, reducing heat buildup and simplifying installation of large cables.

Trough/perforated trays: Provide continuous bottom support with ventilation openings, suitable for medium loads and sensitive instrumentation cables. Material thickness and side rail height: Critical for load capacity and long-term durability. Wider trays are preferred for high-current or solar DC runs to reduce cable stacking and heat concentration.

Applications: Ideal for industrial plants, data centers, and commercial buildings where heavy cable bundles and long spans are common. Comparison SummaryFeatureCT TrayFT Tray (Ladder/Trough)StructureSingle-piece, continuously perforatedLadder: open rungs; Trough: perforated or solid bottomLoad CapacityModerateHigh, supports heavy cables and long spansAirflowGood, through perforationsExcellent in ladder trays, moderate in trough traysInstallationLow-profile, easy assemblyRequires supports, more complex for long runsApplicationsCommercial/industrial, shallow cable depthIndustrial plants, data centers, high-power runsCable SecuringCable ties through perforationsCable ties or clamps on rungs or trough baseIn summary, CT trays are best for economical, low-profile installations with moderate cable loads, while FT trays (ladder or trough) are preferred for heavy-duty applications requiring high load capacity, heat dissipation, and long support spans.

Choosing the correct tray type depends on cable load, installation environment, and airflow requirements.

Article Content

GUIDE CABLE TRAYS TECHNICAL

In accordance with its continuous impro-vement policy, Legrand reserves the right to change the specifications and illus-trations without notice. All illustrations, descriptions and technical information

CT Cable Tray Fittings Guide

CT Cable Tray Fittings Guide The document provides specifications for CT perforated cable trays and fasteners, including dimensions, weights, and

Cable Tray Dimensions Guide: Standard Sizes, Tray

Explore standard sizes by tray type, understand width and depth limits, and see how to calculate and choose compliant cable tray sizes for real

Cable tray FTE50 CT-100-3000 FRP

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Cable tray made of fibreglass (FRP/GRP). Suitable for electrical and instrumentation installations. Composites are lightweight and do not rust. All of our products are available with a range of resin

E-Line CT Cable Tray

EAE Cable Tray System product E-Line CT is being manufactured as a hot dipped product that is used in heavy or medium duty application with its perforated design.

CABLE TRAY SYSTEMS GUIDE

With a support span of 20'' and a total working load of 80 lbs/ft, a NEMA Class 20B tray rated at 75 lbs/ft will not be adequate. A NEMA Class 20C tray, rated at 100 lbs/ft, will be required.

Cooper B-Line

Cooper B-Line has recognized the need for a complete cable tray reference source for electrical engineers and designers. The following pages address the 2011 National Electric Code®

ENOC CT CABLE TRAY SYSTEM

Enoc CT is a wide range, high end cable management system, designed for easier organizing and handling of large volumes of cables. It fits tool-free in the 19" profile of our F1/S1 enclosure.

Cable Trays | EAE USA

Heavy duty cable trays and cable ladders are manufactured from pre-galvanized, electro-galvanized, or hot-dipped galvanized sheet metal, designed to meet ideal environmental working conditions for

Cable tray manual

Typical 300 volt insulated multiconductor instrumentation tray cables (ITC) and power limited tray cables (PLTC) cost the same for both cable tray and conduit wiring systems.

CT Cable Tray Fittings Guide

The document provides specifications for CT perforated cable trays and fasteners, including dimensions, weights, and ordering codes for various widths. It also outlines available fittings, such as bends and

CableTray Book English

Aluminum cable tray Straight lengths — Tray bottom types: ladder, ventilated and solid trough Ladder Extra wide aluminum rungs are welded to extruded aluminum I-beam side rails. Every second rung is

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FTE cable tray system

FTE cable trays are made in corrosion resistant fibre reinforced plastic and are designed to deliver weight reductions while maintaining strength and maximising loading capability. The cable trays are

Cable Tray, Cable Bus, Wire Mesh Cable Trays | MP

MP Husky manufacturers Cable Tray Systems, Cable Bus System, Wire Mesh/Wire,Cable Tray, & Cable Management Systems. Our cable support

Kable Kontrol Cable Tray

About This SPECS – Cable Tray Straight Section | 10 Pcs Pack | Width: 2” Inch (50.8mm) | Length: 10'' Feet | Depth: 2” Inch (50.8 mm) | Color – Chrome | Material – Zinc Plated Steel MATERIAL-

Cable Tray & Accessories

Cable Tray, 2" Depth x 4" Width x 10'' Section, Material: Carbon Steel. Finish: Electroplated Zinc.

Cable tray SPB-RF40 CT-500-3000-2.0 AL

Cable Tray with return flange mainly for electrical support and instrumentation.

CABLE TRAY SYSTEMS GUIDE

Cable Tray Systems Guide HUBBELL Hubbell Wiring Device-Kellems and Hubbell Premise Wiring are divisions of Hubbell Incorporated, a U.S. headquartered manufacturer with over 130 years of

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